
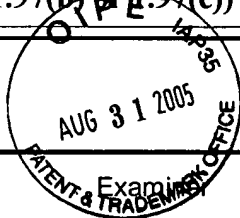


CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)			Docket No.	
Applicant(s): Tetsuro Imai et al.			15689.70	
Application No. 09/827,800	Filing Date April 6, 2001	Examiner Cicely Q. Ware	Customer No. 022913	Group Art Unit 2631
Invention: APPARATUS AND METHOD FOR MEASUREMENT OF COMMUNICATION QUALITY IN CDMA SYSTEM				
<p>I hereby certify that the following correspondence:</p> <div style="border: 1px solid black; height: 50px; margin: 10px 0;"></div> <p>(SEE BELOW)</p> <p style="text-align: center;"><i>(Identify type of correspondence)</i></p> <p>is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on</p> <p style="text-align: center;"><u>August 31, 2005</u> <i>(Date)</i></p> <div style="text-align: right; margin-top: 20px;"><u>Adrian J. Lee</u> <i>(Typed or Printed Name of Person Mailing Correspondence)</i>  <i>(Signature of Person Mailing Correspondence)</i> <u>EV 627625505 US</u> <i>("Express Mail" Mailing Label Number)</i></div>				
<p style="text-align: center;"><b>Note: Each paper must have its own certificate of mailing.</b></p> <p>Transmittal for Information Disclosure Statement (2 pages; duplicate); Information Disclosure Statement Under 37 C.F.R. § 1.97 ( 2 pages); Form PTO-1449 Listing of References (1 page); Legible Copy of References; (3 references) PTO 2038 Credit Card form for \$180.00 Certificate of Express Mail (EV627625505US); Acknowledgment Postcard</p>				

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
**(Under 37 CFR 1.97(b) and 1.97(c))**

Docket No.  
15689.70

In Re Application Of: Tetsuro Imai et al.



Application No.

Filing Date

Examining Officer

Customer No.

Group Art Unit

Confirmation No.

09/827,800

April 6, 2001

Cicely Q. Ware

022913

2631

3778

Title: APPARATUS AND METHOD FOR MEASUREMENT OF COMMUNICATION QUALITY IN CDMA SYSTEM

Address to:

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**37 CFR 1.97(b)**

1. ☐ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

**37 CFR 1.97(c)**

2. ☒ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

☐ the statement specified in 37 CFR 1.97(e);

OR

☒ the fee set forth in 37 CFR 1.17(p).

<b>TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT</b> (Under 37 CFR 1.97(b) or 1.97(c))				Docket No. 15689.70	
In Re Application of: <b>Tetsuro Imai et al.</b>					
Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
09/827,800	April 6, 2001	Cicely Q. Ware	022913	2631	3778
Title: <b>APPARATUS AND METHOD FOR MEASUREMENT OF COMMUNICATION QUALITY IN CDMA SYSTEM</b>					

**Payment of Fee**  
 (Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

☐ A check in the amount of \_\_\_\_\_ is attached.
   
☒ The Director is hereby authorized to charge and credit Deposit Account No.    **23-3178** as described below.
 

☐ Charge the amount of \_\_\_\_\_
   
☒ Credit any overpayment.
   
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 Signature

Dated:    **August 31, 2005**

**ADRIAN J. LEE**  
 Reg. No.: 42,785  
 Attorney for Applicant

CC:

EXPRESS MAIL NO. EV627625505US



PATENT APPLICATION  
Docket No: 15689.70

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of		)	
	Tetsuro Imai et al.	)	
Serial No.:	09/827,800	)	Art Unit
Filing Date:	April 6, 2001	)	2631
Confirmation No.:	3778	)	
For:	APPARATUS AND METHOD FOR MEASUREMENT OF COMMUNICATION QUALITY IN CDMA SYSTEM	)	
Customer No.:	022913	)	

INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. § 1.97

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Please find, pursuant to 37 C.F.R. § 1.98(a)(1), the enclosed Form PTO-1449 which contains a list of all patents, publications, or other items that have come to the attention of one or more of the individuals designated in 37 C.F.R. § 1.56(c). While no representation is made that any of these references may be "prior art" within the meaning of that term under 35 U.S.C. §§ 102 or 103, the enclosed list of references is disclosed so as to fully comply with the duty of disclosure set forth in 37 C.F.R. § 1.56.

Moreover, while no representation is made that a specific search of office files or patent office records has been conducted or that no better art exists, the undersigned attorney of record

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believes that the enclosed art is the closest to the claimed invention (taken in its entirety) of which the undersigned is presently aware, and no art which is closer to the claimed invention (taken in its entirety) has been knowingly withheld.

In accordance with 37 C.F.R. §§ 1.97 and 1.98, a copy of each of the listed references or relevant portion thereof is also enclosed.

Since all listed references are either in the English language or are accompanied by a translation into English, no concise explanation of relevance is required under 37 C.F.R. § 1.98(a)(3).

In accordance with 37 C.F.R. § 1.97(c), a PTO 2038 Credit Card form in the amount of \$180.00 is enclosed to secure consideration of the references submitted with this Information Disclosure Statement. Please credit any over payment or charge any additional fees to Deposit Account No. 23-3178 of the undersigned.

DATED August 31, 2005.

Respectfully submitted,

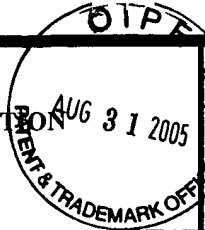


ADRIAN J. LEE  
Attorney for Applicant  
Registration No. 42,785  
Customer No. 022913

AJL: ds  
DS0000003959V001

# INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)



Docket Number (Optional)

15689.70

Application Number

09/827,800

Applicant(s)

Tetsuro Imai et al.

Filing Date

April 6, 2001

Group Art Unit

2631

\*EXAMINER

INITIAL

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

1

SUBSPACE BASED ESTIMATION OF THE SIGNAL TO INTERFERENCE RATIO FOR CDMA CELLULAR SYSTEMS  
Deepa Ramakrishna, Narayan B. Mandayan and Roy D. Yates  
1997 IEEE  
page 735 - 739

2

SUBSPACE BASED ESTIMATION OF THE SIGNAL TO INTERFERENCE RATIO FOR TDMA CELLULAR SYSTEMS  
Michael Andersin, Narayan B. Mandayam and Roy D. Yates  
1996 IEEE  
page 1155-1159

3

APPLICATIONS OF SPACE-TIME ADAPTIVE PROCESSING IN WIRELESS COMMUNICATIONS  
A.M. Haimovich and A. Shah  
1997 IEEE  
page 1098 - 1102

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.